



Certificate of Design Application

From Designer: Derek Veilleux, SMRT

Date: March 31, 2017

Job Name: Maine Medical Center - IR Reading and U/S Renovation

Address of Construction: 22 Bramhall St, Portland Maine 04102

2009 International Building Code

Construction project was designed to the building code criteria listed below:

Building Code & Year Existing Use Group Classification (s) Ambulatory Health Care

Type of Construction II(222)

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IBC Yes, existing

Is the Structure mixed use? Existing If yes, separated or non separated or non separated (section 302.3) _____

Supervisory alarm System? yes Geotechnical/Soils report required? (See Section 1802.2) N/A

Structural Design Calculations

N/A Submitted for all structural members (106.1 – 106.11)

Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown
<u>N/A</u>	

Wind loads (1603.1.4, 1609)

N/A Design option utilized (1609.1.1, 1609.6)

" Basic wind speed (1809.3)

" Building category and wind importance Factor, I_w , table 1604.5, 1609.5)

" Wind exposure category (1609.4)

" Internal pressure coefficient (ASCE 7)

" Component and cladding pressures (1609.1.1, 1609.6.2.2)

" Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

N/A Design option utilized (1614.1)

" Seismic use group ("Category")

" Spectral response coefficients, S_D s & S_{D1} (1615.1)

" Site class (1615.1.5)

N/A Live load reduction

" Roof *live* loads (1603.1.2, 1607.11)

" Roof snow loads (1603.7.3, 1608)

" Ground snow load, P_g (1608.2)

" If $P_g > 10$ psf, flat-roof snow load p_f

" If $P_g > 10$ psf, snow exposure factor, C_e

" If $P_g > 10$ psf, snow load importance factor, I_s

" Roof thermal factor, C_t (1608.4)

" Sloped roof snowload, p_s (1608.4)

" Seismic design category (1616.3)

" Basic seismic force resisting system (1617.6.2)

" Response modification coefficient, R_f and deflection amplification factor C_{di} (1617.6.2)

" Analysis procedure (1616.6, 1617.5)

" Design base shear (1617.4, 1617.5.1)

Flood loads (1803.1.6, 1612)

N/A Flood Hazard area (1612.3)

" Elevation of structure

Other loads

N/A Concentrated loads (1607.4)

" Partition loads (1607.5)

" Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)



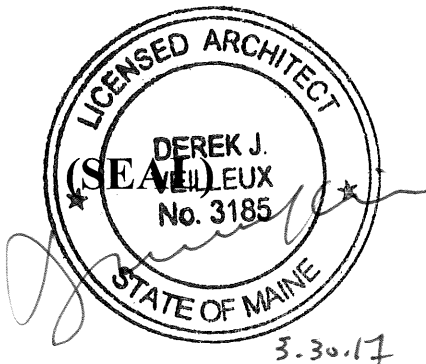
Accessibility Building Code Certificate

Designer: Derek Veilleux

Address of Project: 22 Bramhall St, Portland Maine 04102

Nature of Project: Renovations and improvements to the existing IR Reading
room and adjacent Ultrasound Tech work area.

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.



Signature: *Derek Veilleux*

Title: Architect

Firm: SMART INC

Address: 144 FORE ST
PORTLAND, ME 04101

Phone: 207.772.3846

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov



Certificate of Design

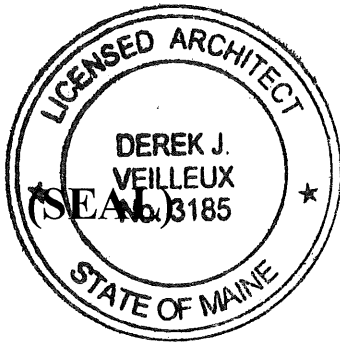
Date: March 31, 2017

From: Derek Veilleux

These plans and / or specifications covering construction work on:

Renovations and improvements to the existing IR Readin room and adjacent Ultrasound Tech work area.

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the **2009 International Building Code** and local amendments.



Signature: *Derek Veilleux*

Title: Architect

Firm: SMART INC.

Address: 144 FORE ST.

PORTLAND, ME 04101

Phone: 207.772.3846

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